

Title (en)

Apparatus and process for producing sheets of material.

Title (de)

Vorrichtung und Verfahren zur Herstellung von Schichten bestimmter Materialien.

Title (fr)

Dispositif et procédé pour la préparation de feuilles de matériaux.

Publication

EP 0487195 A1 19920527 (EN)

Application

EP 91308965 A 19910930

Priority

GB 9024548 A 19901112

Abstract (en)

Apparatus and method for projecting liquid in the form of a sheet for deposition on a target comprises a nozzle having a slot 10 of width not less than 250 microns to which the liquid is supplied. High voltage is applied to the liquid and the liquid is supplied to the slot at a flow rate such that the liquid is formed as, and is maintained in the form of, a sheet by preponderantly electrostatic forces thereby effecting deposition of the sheet on to the target. <IMAGE>

IPC 1-7

B05B 5/00; B05C 5/00; B05D 1/00

IPC 8 full level

B05B 5/025 (2006.01)

CPC (source: EP US)

B05B 5/0255 (2013.01 - EP US)

Citation (search report)

- [AD] GB 1281512 A 19720712 - HENRY W PEABODY IND LTD [GB]
- [AD] CH 454613 A 19680415 - GEVAERT PHOTO PROD NV [BE]
- [AD] EP 0186983 B1 19890322
- [A] US 4749125 A 19880607 - ESCALLON EDUARDO C [US], et al
- [A] US 4403566 A 19830913 - BLOOTHOOFD WILLIAM [US]

Cited by

US5779162A; WO9513879A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0487195 A1 19920527; EP 0487195 B1 20001206; AT E197916 T1 20001215; CA 2052886 A1 19920513; CA 2052886 C 20030128; DE 69132487 D1 20010111; DE 69132487 T2 20010607; DK 0487195 T3 20010305; ES 2152215 T3 20010201; GB 9024548 D0 19910102; GR 3035484 T3 20010531; HK 1011303 A1 19990709; US 5290600 A 19940301

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EP 91308965 A 19910930; AT 91308965 T 19910930; CA 2052886 A 19911007; DE 69132487 T 19910930; DK 91308965 T 19910930; ES 91308965 T 19910930; GB 9024548 A 19901112; GR 20010400326 T 20010228; HK 98112408 A 19981127; US 78795891 A 19911105